

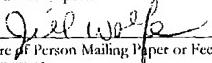
# PATENT

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Jill Wolf

Name of Person Signing

July 29, 2003

Date of Signature

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Abha Moitra et al.  
Filing Date : herewith  
For : REAL-TIME ROUTE AND SENSOR  
PLANNING SYSTEM WITH VARIABLE  
MISSION OBJECTIVES  
Attorney Docket No. : LM(F)5860-1

Commissioner of Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

## INFORMATION DISCLOSURE STATEMENT

Sir:

This information disclosure statement is being filed to fulfill the duty of candor and  
good faith toward the Patent and Trademark Office, in accordance with 37 CFR §1.56.

Below is a list of information of which persons substantively involved in the preparation  
of the application identified above, are aware and believe that a reasonable Examiner may  
consider important to deciding whether to allow the application. This statement is not a  
representation that no other relevant information exists, and is not an admission that any of the  
items is material. Copies of listed foreign patents and other listed publications are enclosed. No  
copies of U.S. Patents and U.S. Patent Applications are enclosed. A PTO Form 1449 is  
attached.

U.S. PATENT DOCUMENTS

U.S. Patent No. 4,323,880	U.S. Patent No. 5,815,417
U.S. Patent No. 4,814,711	U.S. Patent No. 5,838,262
U.S. Patent No. 4,868,755	U.S. Patent No. 5,883,586
U.S. Patent No. 4,984,168	U.S. Patent No. 5,884,223
U.S. Patent No. 5,083,256	U.S. Patent No. 5,892,462
U.S. Patent No. 5,187,667	U.S. Patent No. 5,928,294
U.S. Patent No. 5,204,817	U.S. Patent No. 5,999,881
U.S. Patent No. 5,247,356	U.S. Patent No. 6,038,509
U.S. Patent No. 5,268,698	U.S. Patent No. 6,047,234
U.S. Patent No. 5,458,490	U.S. Patent No. 6,076,042
U.S. Patent No. 5,481,479	U.S. Patent No. 6,085,147
U.S. Patent No. 5,497,157	U.S. Patent No. 6,092,009
U.S. Patent No. 5,629,626	U.S. Patent No. 6,122,572
U.S. Patent No. 5,631,640	U.S. Patent No. 6,128,574
U.S. Patent No. 5,636,123	U.S. Patent No. 6,134,500
U.S. Patent No. 5,638,282	U.S. Patent No. 6,148,259
U.S. Patent No. 5,646,844	U.S. Patent No. 6,167,331
U.S. Patent No. 5,668,717	U.S. Patent No. 6,169,981 B1
U.S. Patent No. 5,712,788	U.S. Patent No. 6,173,219 B1

U.S. Patent No. 5,731,978

U.S. Patent No. 6,175,802 B1

U.S. Patent No. 5,751,576

U.S. Patent No. 6,175,804 B1

U.S. Patent No. 5,790,123

U.S. Patent No. 6,182,007 B1

Respectfully submitted,



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FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE (REV. 6-89) PATENT AND TRADEMARK OFFICE								ATTY DOCKET NO.: LM(F)5860-1			SERIAL NO. N/A		
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>								APPLICANT: Abha Moitra et al.					
<i>(Use several sheets if necessary)</i>								FILING DATE: Concurrently Herewith		GROUP: N/A			
<b>U.S. PATENT DOCUMENTS</b>													
EXAMINER INITIAL	DOCUMENT NUMBER							DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE	
	4	3	2	3	8	8	0	Apr. 6, 1982	Lucas				
	4	8	1	4	7	1	1	Mar. 21, 1989	Olsen et al.				
	4	8	6	8	7	5	5	Sep. 19, 1989	McNulty et al.				
	4	9	8	4	1	6	8	Jan. 8, 1991	Neukrichner et al.				
	5	0	8	3	2	5	6	Jan. 21, 1992	Trovato et al.				
	5	1	8	7	6	6	7	Feb. 16, 1993	Short				
	5	2	0	4	8	1	7	Apr. 20, 1993	Yoshida				
	5	2	4	7	3	5	6	Sep. 21, 1993	Ciampa				
	5	2	6	8	6	9	8	Dec. 7, 1993	Smith, Sr. et al.				
<b>FOREIGN PATENT DOCUMENTS</b>													
	DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION	
												YES	NO
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>													
EXAMINER								DATE CONSIDERED					
<b>EXAMINER:</b> Initial if citation considered, whether or not citation is in conformance with MPEP §609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the patent applicants' attorney.													

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		FILING DATE: Concurrently Herewith	GROUP: N/A

**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NUMBER							DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	5	4	5	8	4	9	0	Oct. 17, 1995	Cabana			
	5	4	8	1	4	7	9	Jan. 2, 1996	Wight et al.			
	5	4	9	7	1	5	7	Mar. 5, 1996	Gruener et al.			
	5	6	2	9	6	2	6	May 13, 1997	Russell et al.			
	5	6	3	1	6	4	0	May 20, 1997	Deis et al.			
	5	6	3	6	1	2	3	June 3, 1997	Rich et al.			
	5	6	3	8	2	8	2	June 10, 1997	Chazelle et al.			
	5	6	4	6	8	4	4	July 8, 1997	Gudat et al.			
	5	6	6	8	7	1	7	Sep. 16, 1997	Spall			

**FOREIGN PATENT DOCUMENTS**

	DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION	
												YES NO	

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**


EXAMINER

DATE CONSIDERED

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<b>U.S. PATENT DOCUMENTS</b>												
EXAMINER INITIAL	DOCUMENT NUMBER							DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	5	7	1	2	7	8	8	Jan. 27, 1998	Liaw et al.			
	5	7	3	1	9	7	8	Mar. 24, 1998	Tamai et al.			
	5	7	5	1	5	7	6	May 12, 1998	Monson			
	5	7	9	0	1	2	3	Aug. 4, 1998	Wald et al.			
	5	8	1	5	4	1	7	Sep. 29, 1998	Orr et al.			
	5	8	3	8	2	6	2	Nov. 17, 1998	Kershner et al.			
	5	8	8	3	5	8	6	Mar. 16, 1999	Tran et al.			
	5	8	8	4	2	2	3	Mar. 16, 1999	Tognazzini			
	5	8	9	2	4	6	2	Apr. 6, 1999	Tran			
<b>FOREIGN PATENT DOCUMENTS</b>												
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								FILING DATE: Concurrently Herewith	GROUP: N/A			
<b>U.S. PATENT DOCUMENTS</b>												
EXAMINER INITIAL	DOCUMENT NUMBER							DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	5	9	2	8	2	9	4	Jul. 27, 1999	Zelinkovsky			
	5	9	9	9	8	8	1	Dec. 7, 1999	Law et al.			
	6	0	3	8	5	0	9	Mar. 14, 2000	Poppen et al.			
	6	0	4	7	2	3	4	Apr. 4, 2000	Cherveny et al.			
	6	0	7	6	0	4	2	June 13, 2000	Tognazzini			
	6	0	8	5	1	4	7	July 4, 2000	Myers			
	6	0	9	2	0	0	9	July 18, 2000	Glover			
	6	1	2	2	5	7	2	Sep. 19, 2000	Yavnai			
	6	1	2	8	5	7	4	Oct. 3, 2000	Diekhans			
<b>FOREIGN PATENT DOCUMENTS</b>												
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												NO
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								FILING DATE: Concurrently Herewith	GROUP: N/A			
U.S. PATENT DOCUMENTS												
EXAMINER INITIAL	DOCUMENT NUMBER							DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	6	1	3	4	5	0	0	Oct. 17, 2000	Tang et al.			
	6	1	4	8	2	5	9	Nov. 14, 2000	Hagelauer			
	6	1	6	7	3	3	1	Dec. 26, 2000	Matsumoto et al.			
	6	1	6	9	9	8	1	Jan. 2, 2001	Werbos			
	6	1	7	3	2	1	9	Jan. 9, 2001	Deker			
	6	1	7	5	8	0	2	Jan. 16, 2001	Okude et al.			
	6	1	7	5	8	0	4	Jan. 16, 2001	Szczerba			
	6	1	8	2	0	0	7	Jan. 30, 2001	Szczerba			
FOREIGN PATENT DOCUMENTS												
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												NO
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